

Claims:

1. A metered dose inhaler comprising means for receiving a pressurised medicament canister; and a breath-actuated latch mechanism arranged in use to latch said canister in a depressed condition and further to release said latch in response to inhalation through the inhaler by a user.
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- 10 2. An inhaler as claimed in claim 1 wherein said latch mechanism comprises a pivotally mounted latch arm operatively associated with a hinged flap arranged to rotate upon inhalation by a user.
- 15 3. An inhaler as claimed in claim 2 wherein said hinged flap is provided so as to close an air inlet to the inhaler.
4. An inhaler as claimed in claim 2 or 3 comprising means for positively restoring said flap to its rest position.
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5. An inhaler as claimed in claim 4 wherein said flap is at least partially restored to said rest position by re-priming said latch mechanism.
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6. An inhaler as claimed in claim 4 or 5 comprising an externally-operated actuator for restoring said flap.
- 30 7. An inhaler as claimed in claim 6 wherein said actuator comprises or is operated by a cover for the mouthpiece of the inhaler which is arranged to restore or to help to restore the flap when the cover is closed over the mouthpiece.
- 35 8. An inhaler as claimed in claim 6 or 7 said external actuator is arranged to apply a sealing force on the

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28. A canister as claimed in claim 26 arranged to isolate said dose during the same actuation cycle as it is dispensed.

5 29. A pressurised canister for delivering a metered dose of fluid therefrom comprising a resiliently biased nozzle and arranged to isolate and deliver the same dose in a single actuation cycle.

10 30. A canister as claimed in claim 27, 28, or 29 arranged to isolate the dose during a depression stroke and dispense the dose during a release stroke.

15 31. A valve for a pressurised canister comprising a resiliently biased nozzle, said valve being arranged to isolate and deliver the same metered dose of fluid in a single actuation cycle.

20 32. A canister as claimed in claim 33 comprising a valve including a metering chamber and a hollow nozzle resiliently biased into a first position in which said nozzle is in fluid communication with the metering chamber, said nozzle being moveable against said resilient bias to a second position in which the metering chamber is in fluid communication with the interior of the canister.

25 33. A valve for a canister said valve comprising a metering chamber, an inlet for fluidly communicating with the interior of a canister and a hollow nozzle resiliently biased into a first position in which the nozzle is in fluid communication with the metering chamber, but moveable against said resilient bias into a second position in which the inlet is in fluid communication with the metering chamber.

30 35 34. A valve for a pressurised canister, comprising a

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resiliently biased nozzle, the valve being arranged to dispense a metered dose of fluid from said nozzle upon releasing the nozzle from its depressed condition.

5 35. An inhaler device comprising means for latching a canister in its depressed condition and means for releasing said latch upon inhalation by a user.